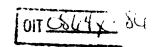
<del>- CONTIDENTIAL</del>



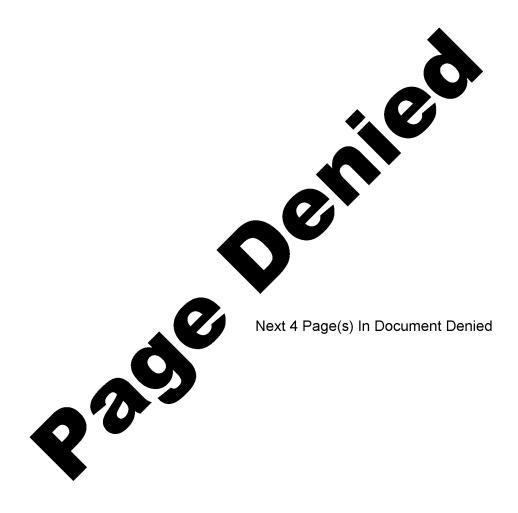
2 OCT 1986

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MEMORANDUM FOR:	Director of Information Technology, DA	
FROM:	Director of Information Resources, DI	25 <b>X</b> 1
SUBJECT:	Communications Requirements for OSWR	25 <b>X</b> 1
REFERENCE:	Memorandum from to D/OIT, dtd 21 April 1986, Subject: DI Near-Term Communications Requirements	25X1 25X1
near-term commun review by OIR st on your estimate future.  2. Implement is being requested on it by the requested on the state of the	ponse to the DI's request for cost estimates on fifteen ications requirements has been received and is currently under aff and the requesting offices. Our request for support, based and office priorities, will be sent to you in the near station of the attached communications requirement from OSWR/SSD and out of normal channels because of the high priority placed uesting office. FY87 funds from OSWR are available to pay for We assume a cost open plus the two terminals, which by OSWR.	25X1 25X1 25X1
Attachment:	1	
OSWR Communicat	tions Requirements	
DI/CIR/PDD/PTEB	(26 Sep 86)	25 <b>X</b> 1
Distribution: Orig & 1 - Addr 1 - OD/O 1 - C/PE	DIR DD	

# Unclassified when separated from attachments

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•	Firmta e tim	
	Jointa e teni 29 AUG 1986	
	OIT/TRIS LOGGED	}
MEMORANDUM FO	DR: Director of Information Technology, DA	
FROM:	Director of Information Resources, DI	2
SUBJECT:	Communications Requirements	
REFERENCE:	Memorandum from to ASG, dtd 2 Jul 86, Same Subject	2
officer, assured that requirement f	As a result of those conversations with the requesting an Ethernet protocol will be included as part of the DI's or the PBX system, to ensure communication among DI workstations.	
included unde separate acti	the redulrement for "Golden lider Communications" will be	2
,	the requirement for "Golden Tiger Communications" will be r the broader requirement and so has been withdrawn by SOVA as a on.	2
3. Two o	the broader requirement and so has been withdrawn by SOVA as a on. ther requirements (Attachment 2) from SOVA and CPAS have been	
3. Two o discussed inf respectively.  4. The D cations required so that an ov	the broader requirement and so has been withdrawn by SOVA as a on.  ther requirements (Attachment 2) from SOVA and CPAS have been ormally with NSEG,	

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SUBJECT: Communications Requirements

As stated

5. The names of office-level contacts an of the OIR Planning and De	·	:5X1
assigned to coordinate DI communications requi	rements. He may be contacted	
on extension	. 29	5X1
	2	5X1
		<b>0</b> /(1
Attachments:		

25X1

#### CONFIDENTIAL

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	;			2 500
MEMORANDUM FOR:	DDI/ASG			25 <b>X</b> 1
FROM:	I/C Segment Ma		Program Office	25X1
SUBJECT:	Communication	Requirements		25X1
	comments on recurrence consecure			•
Attachment				
cc: OIT/ESG/PMD	)/SE			25X1
			-	

CONFIDENTIAL

REQUIREMENT: Allow the existing Xerox microcomputers (Golden Tigers) to communicate with one another. They are scattered through out the Headquarters building. The network could consist of approximately 16 workstations and 4 file/print servers. It is unclear at this time who would participate in this network.

PEOPLE	CONTACTED:	¢.

STAT

The communications protocol inherent to the Xerox 1100 is Ethernet. The IBX S/80 can support the required Ethernet communications allowing communications between the microcomputers and servers.

The protocol layers beyond those supported by Ethernet will not be provided by NBCPO.

COST: A significant cost impact is associated with providing this support. The following cost estimates are based upon providing support for 16 workstations and 4 file/print servers. Additional costs above those indicated will be incurred if additional racks and associated hardware are required. A new rack set up is approximately \$90000.

LANmark buffer assemblies	6	at	\$1500	\$9,000
LANmark linecards	20	at	\$2500	\$50,000
DIU 5	4	at	\$3500	\$15,000
Packet boards	2	at	\$5000	\$10,000
TOTAL				\$84,000

The Ethernet support provided by the Intecom switch will allow the Ethernet devices to be located anywhere in the HQ building and facilitate the movement and installation of of these devices.

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REQUIREMENT:	Connection of	a microcomputer	to central host.	•
PEOPLE-CONTACT	TED:			STAT

This requirement requires multiple level protocol support to allow a single Apollo microcomputer to communicate with the Special center. NBCPO can provide level 1 support only - this being the physical layer. The required RS-232 support can be provided through the secure telephone switch which is scheduled for installation in early December.

Support for protocol levels 2 and above will not be provided by NBCPO.

COST: The costs incurred by NBCPO to provide this support are negligible as thousands of similar circuits will be installed at the time of installation.

### SECRET

REQ. NUMBER:	
OFFICE RANK:	
OFFICE: SOVA	•
TITLE: Microcomputer Communications	
Please check type of New Communications Service.	
Enhanced communications to existing capabilities.	
Communications services for Ongoing Initiatives.	
Communications services for New Initiatives.	* <b>4</b>
REQUIREMENT: Provide communications links for netting SOVA's stand-alone microcomputers.	
JUSTIFICATION: LANs will increase the usefullness and efficiency of our microcomputers	!
	į
TIME REQUIREMENT: Implementation ASAP — before FY-88	į
	;
IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:	•
Full potential of microcomputers will not be realized.	
CONTACT	
CONTACT:	05)/4
Name:	25 <b>X</b> 1
Office: SOVA/ES/PBB	
Telephone Secure	25X1

#### SECRET

	•	1	REQ. NUMBER:		
	·	(	OFFICE RANK:		
OFFICE: SOVA	•			•	
TITLE: Golden	Tiger Communications				
Please check	type of New Communi	cations Ser	vice.		
<u>xx</u> Enh	anced communication:	s to <u>existi</u>	ng capabilities	s <b>.</b>	
	munications services		•		
	nunications services				
REQUIREMENT:	Provide communications Golden Tiger in SOVA to				
			·		
JUSTIFICATION:	Such a linkage would ousefulness of the Gold	expand the ca den Tigers.	apabilities and	`	
TIME REQUIREME	NT: Implementation be	efore FY-88			,
Development of	OF SERVICE ON OTHER Golden Tiger capabilition ct access to the work do	es will be su	ipressed by	-	
CONTACT:					
Name:			•		25 <b>X</b> 1
Office:	SOVA/DEIG				
Telephone:	Secure				25 <b>X</b> 1

SECRET

.~	REQ. NUMBER:	
·	OFFICE RANK:	
OFFICE: SOVA		
TITLE: Contractors - Uncla	assified Agency Mainframe Communications	
Please check type of New	w Communications Service.	
Enhanced commu	unications to existing capabilities.	
Communications	s services for Ongoing Initiatives.	
Communications	s services for <u>New</u> Initiatives.	
	minals and links to an unclassified Agency omputer for contractors at remote sites.	
computer fa	would allow contractors access to the Agency's accilities without requiring the lengthy and clearance process.	
TIME REQUIREMENT: Needed A	ASAP - linkage is requested for FY-88	
IMPACT OF LACK OF SERVIC Process of initiating work development will continue t	on contracts for unclassified applications	
CONTACT:		
Name:		25 <b>X</b> ′
Office: SOVA/ES/PBB		
Telephone:	Secure	25 <b>X</b> ′

## CONFIDENTIAL

REQ.NUMBER: 1	
OFFICE RANK:	
OFFICE: CPAS	
TITLE: Communications Support for Operations Center "Annex" in New Headquarters Building	
Please check type of New Communications Service.	
Enhanced communications to existing capabilities.	
Communications services for Ongoing Initiatives.	
Communications services for New Initiatives.	
REQUIREMENT: Printers from the CDS and/or MHF; Station DACOM; WASHFAX extension or FAX link to Operations Center.	
JUSTIFICATION: DI offices will be located in the new building that will require support.	
TIME REQUIREMENT: Implementation by FY88 or when DI offices are moved into new building.	
IMPACT OF LACK OF SERVICE ON OTHER PROGRAMS:  Overall efficiency of those offices will be seriously reduced without this type of communications support.	
CONTACT:	
Name:	25X
Office: CPAS/ES	
Telephone: Secure	<sub>,</sub> 25X